10/536575 Rec'd PCT/PTO 26 MAY 2005

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



# 

#### (43) International Publication Date 17 June 2004 (17.06.2004)

### **PCT**

### (10) International Publication Number WO 2004/050427 A2

(51) International Patent Classification7:

B60R

(21) International Application Number:

PCT/US2003/038038

(22) International Filing Date: 2 December 2003 (02.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/430,310

2 December 2002 (02.12.2002)

(71) Applicant (for all designated States except US): CE-QUENT TOWING PRODUCTS, INC. [US/US]; 2602 College Ave., Goshen, IN 46528 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): PHILLIPS, Sean [CA/CA]; 71 Swallow Dale Road, Huntsville, Ontario P1H 2J6 (CA). VALLIERE, Michael [CA/CA]; G.B. 418, R.R. #1, Huntsville, Ontario P1H 2J2 (CA).
- (74) Agent: MILLER, H., Keith; Harness, Dickey & Pierce, P.L.C., 5445 Corporate Drive, Suite 400, Troy, MI 48098 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### **Declaration under Rule 4.17:**

of inventorship (Rule 4.17(iv)) for US only

#### Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FIFTH WHEEL HITCH

(57) Abstract: An adjustable fifth wheel hitch for towing a trailer behind a motor vehicle includes a support frame having a pair of spaced guide rails. A head assembly for engaging the trailer is coupled to the support frame through an adjustment assembly so as to be selectively displaceable between a towing position and a maneuvering position. A locking assembly releasably locks the head assembly in the towing and maneuvering positions. The locking assembly includes a locking arm positionable in a locked position, which is engaged with one of the pair of spaced guide rails, and an unlocked position. The locking arm includes a camming surface that cooperates with a locking cam so as to position the locking arm in the locked position and the unlocked position.